APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Mail Stop Patent Application Commissioner for Patents Alexandria, VA 22313-1450 6. [] Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. [] Computer Readable Form profered arrangement set forth below) Descriptive title of the invention Cross References to Related Applications Statement Regarding Fed sponsored R & D Reference to sequence blisting, a table, or a computer program listing appendix Background of the Invention Brief Description of the Drawings (iffiled) Detailed Description Claim(s) Abstract of the Disclosure ACCOMPANYING APPLICATION PARTS 7. [] Assignment Papers (cover sheet & documents) [X] Assigner-Helix Technology Corporation Mansfield, MA 62048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [X] Assigner-Helix Technology Corporation Mansfield, MA 62048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [X] Assigner-Helix Technology Corporation Mansfield, MA 62048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [X] Assigner-Helix Technology Corporation Mansfield, MA 62048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [X] Assigner-Helix Technology Corporation Mansfield, MA 62048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [X] Assigner-Helix Technology Corporation Mansfield, Ma 62048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [X] Assigner-Helix Technology Corporation Mansfield, Ma 62048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [X] Assigner-Helix Technology Corporation Mansfield, Ma 62048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [X] Assigner-Helix Technology Corporation [X] Assigner-Helix Technology Corporation Mansfield, Ma 62048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [X] Assigner-Helix Technology Corporation Mansfield, Ma 62048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [X] Assigner-Helix Technology Corporation M		HAMILTON,	BROOK,	SMIT	TH & I	REYNO	LDS, P.C.				
TRANSMITTAL Express Mail Label No. EV 214951063 B. S. Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Alexandria, VA 22313-1450 6. [] Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. [] Paper Copy (identical to computer program listing appendix Background of the Invention Brief Summary of the Invention Brief Description of the Drawings (Iffled) Detailed Description Claim(s) ADDRESS TO: Mail Stop Patent Application ADDRESS TO: Mail Stop Patent Application Alexandria, VA 22313-1450 Alexandria, VA 22313-1450 6. [] Nucleotide and/or Amino Acid Sequence Submission ((if applicable, all necessary) a. [] Paper Copy (identical to computer copy) b. [] Paper Copy (identical to computer program listing appendix Background of the Invention Brief Summary of the Invention Brief Description of the Drawings (Iffled) Claim(s) ADDRESS TO: Mail Stop Patent Application ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 1. [] Paper Copy (identical to computer copy) b. [] Paper Copy (identical to computer Papers) ACCOMPANYING APPLICATION PARTS 7. [] Assignment Papers (cover sheet & documents) [X] Assignent Papers (cover sheet & documen		ILITY PPLICATION	Attorney Docket No. First Named Inventor or								
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. 1. [] Fee Transmittal Form (Submit an original, and a duplicate for fee processing) 2. [X] Specification Total Pages [25] proferred arrangement set forth below) - Descriptive tilte of the invention - Cross Reference to sequence listing, a table, or a computer program listing appendix - Backgound of the Invention - Brief Summary of the Invention of the Drawings (Iffled) - I Pages - [] Substance of Account of the Invention of the	PATENT A				Peter W. Gaudet			270 7			
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. 1. [] Fee Transmittal Form (Submit an original, and a duplicate for fee processing) 2. [X] Specification Total Pages [25] proferred arrangement set forth below) - Descriptive tilte of the invention - Cross Reference to sequence listing, a table, or a computer program listing appendix - Backgound of the Invention - Brief Summary of the Invention of the Drawings (Iffled) - I Pages - [] Substance of Account of the Invention of the	Ponly for new nonprov 37 C.F		Express Mail Lab	oel No.	EV 21	4951063 y.	9.	1.s. r 054			
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. ADDRESS TO: Commissioner for Patients P.O. Box 1430 I. [] Fee Transmittal Form (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original and a duplicate for fee processing) (Submit an original, and a duplicate for fee processing) (Submit an original feed processing) (Submit an original feed processing) (Submit an original original feed processing) (Submit an original feed processing)	Title of	Cryopump To	emperature Cor	ntrol of A	rrays			41 V			
(submit an original, and a duplicate for fee processing) 2. [X] Specification Total Pages [25] (preferred arrangement set forth below) - Descriptive title of the invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (If filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 3. [X] Drawing(s) (35 U.S.C. 113) Total Sheets [31] [X] Fig. of the Drawings for Publication [1] [] No Figure to be Published 4. [] Oath or Declaration - Total Pages [] - a. [] Newly excuted (original or copy) - b. [] Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with Box 17 completed) - i. [] DELETIONO FINENTOR(S) - Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)/2 and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) - [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 - Prior application information: Examiner: Malik N. Drake - Customer No. 221005 - HAMILTON, BROOK, SMITH & REYNOLDS, P.C ADDRESS - 530 Virginia Road, P.O. Box 9133	O APPI			ADDR	ESS TO:	P.O. Box	k 1450	22.1			
Paper Copy (identical to computer copy)			ee processing)	6. [ssion			
- Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (Iffiled) - Detailed Description - Claim(s) - Abstract of the Disclosure 3. [X] Drawing(s) (35 U.S.C. 113) Total Sheets [31] [X] Fig. of the Drawings for Publication [] No Figure to be Published 4. [] Oath or Declaration Total Pages [] - a. [] Newly executed (original or copy) - b. [] Copy from a prior application (37 C.F.R. 1.63(d)) - (Groor continuation/divisional with Box 17 completed) - i. [] DELETION OF INVENTOR(S) - Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) - and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 - Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 - The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hearthy incorporated by reference. (Add standard Related Application's section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS 18. [Pages c. [] Statements verifying identity of above copies 2. [] Assignee - Helix Technology Corporation MacCower Roo. [] Statements verifying identity of above copies 2. [] Assignee - Helix Technology Corporation Mansfield, MA 02048 5. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [[] V. [] English Translation Document (If application is considered a part of the disclosure of Priority Document(s) 13. [] Small Entity Statement(s) 14. [] Foreign Priority Claim under 35 U.S.C. §119 or 365 14. [] Foreign Priority Claim under 35 U.S.C. §	2. [X] Specification	on To	tal Pages [25]	• • • • • • • • • • • • • • • • • • • •						
- Descripte title of the invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (Iffled) - Detailed Description - Claim(s) - Abstract of the Disclosure 3. [X] Drawing(s) (35 U.S.C. 113) Total Sheets [31] - [X] Fig. of the Drawings for Publication [1] - [No Figure to be Published - [No Fi			_		b. []	Paper Copy (id	lentical to computer cop	oy)			
- Statement Regarding Fed sponsored R. & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (iffiled) - Detailed Description - Claim(s) - Abstract of the Disclosure 3. [X] Drawing(s) (35 U.S.C. 113) Total Sheets [31] [X] Fig. of the Drawings for Publication [1] [] No Figure to be Published 4. [] Oath or Declaration - Total Pages [] - a. [] Newly executed (original or copy) - b. [] Copy from a prior application (37 C.F.R. 1.63(d)) - (for continuation/divisional with Box 17 completed) - i. [] DELETION OF INVENTOR(S) - Signed statement attached deleting inventor(s) named in the prior application, sec 37 C.F.R. 1.63(d)(2) - and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [[X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS CASIONAL ACCOMPANYING APPLICATION PARTS ACCOMPANYING APPLICATION PARTS ACCOMPANYING APPLICATION PARTS 1. [] Assignment Papers (cover sheet & documents) [[X] Assignment Papers (cover sheet & documents) [[X] Assignment Papers (cover sheet & documents) [[X] Assignment Papers (cover sheet & documents) [[X] Assignment Papers (cover sheet & documents) [[X] Assignment Papers (cover sheet & documents) [[X] Assignment Papers (cover sheet & documents) [[X] Assignment Papers (cover sheet & documents) [[X] Assignment Papers (documents) [[X] Assignment Papers (cover sheet & documents) [[X] Assignment Papers (exve			ications								
- Retretine to sequence in strings a stante, of a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Claim(s) - Abstract of the Disclosure 3. [X] Drawing(s) (35 U.S.C. 113) Total Sheets [31] [X] Fig. of the Drawings for Publication [] No Figure to be Published 4. [] Oath or Declaration Total Pages [] a. [] Newly executed (original or copy) b. [] Copy from a prior application (3 C.F.R. 1.63(d)) (For continuation divisional with Box 17 completed) i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Retated Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 ACCOMPANYING APPLICATION PARTS 7. [] Assignment Papers (cover sheet & documents) [X] Assignment Papers (cove	- Stateme	ent Regarding Fed sponsor	ed R & D		• []		ifiina identity of above	conies			
Brief Summary of the Invention Brief Description of the Drawings (If filed) Detailed Description Claim(s) Abstract of the Disclosure 3. [X] Drawing(s) (35 U.S.C. 113) Total Sheets [31] [X] Fig. of the Drawings for Publication [1]] No Figure to be Published 4. [] Oath or Declaration Total Pages [] a. [] Newly executed (original or copy) b. [] Copy from a prior application (37 C.F.R. 1.63(d)) (I) [] Description of Inventor(s) named in the prior application, sor 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. [I a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application with incorporation by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) ACCOMPANYING APPLICATION PARTS 7. [] Assignment Papers (cover sheet & documents) [X] Assignee - Helix Technology Corporation Mansfield, MA 02048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [Information Document (if applicable) 9. [] English Translation Document (if applicable) 10. [] Information Disclosure [] Copies of IDS Citations Statement (IDS)PTO-10449 11. [] Preliminary Amendment 12. [X] Return Receipt Postcard 13. [] Small Entity Statement(s) 14a. [] Foreign Priority Claim under 35 U.S.C. §119 or 365 14b. [] Certified Copy of Priority Document(s) 15. [] Nonpublication Request (check parent application) 16. [X] Other Remarks 17. [I fa CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application, see Group Art Unit: 3744 The entire disclosure of the prior application in considered a part of the disclosure of the accompanying applic			ble, or a computer	Ť	с. _[]	Statements ver	frying identity of above	copies			
- Brief Description of the Drawings (Iffiled) - Detailed Description - Claim(s) - Abstract of the Disclosure 3. [X] Drawing(s) (35 U.S.C. 113) Total Sheets [31] [X] Fig. of the Drawings for Publication [1] [No Figure to be Published 4. [] Oath or Declaration Total Pages [] a. [] Newly executed (original or copy) b. [] Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with Box 17 completed) i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. [] Assignment Papers (cover sheet & documents) [X] Assignee - Helix Technology Corporation Mansfield, MA 02048 8. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement (if applicable) 10. [] Information Disclosure Statement (IIS)/PTO-1449 11. [] Preliminary Amendment 12. [X] Return Receipt Postcard 13. [] Small Entity Statement(s) 14. [] Foreign Priority Claim under 35 U.S.C. §119 or 365 14b. [] Certified Copy of Priority Document(s) 15. [] Nonpublication Request (check parent application) 16. [X] Other Remarks 17. [] Assignment Papers (cover sheet & documents) [X] Return Receipt Postcard 19. [] Kenturn Receipt Postcard 10. [] Preliminary Amendment 11. [] Preliminary Amendment 12. [X] Return Receipt Postcard 13. [] Small Entity Statement(s) 14a. [] Foreign Priority Claim under 35 U.S.C. §119 or 365 14b. [] Certified Copy of Priority Document(s) 15. [] Nonpublication Request (check parent application) 16. [X] Other Remarks 17. [] Assignment Papers (cover sheet & documents (if applications Statement and Papers (cover sheet & document (II) Applications Statement (III) Applications (III) Applications (III) Applications (III) Applications (III) Applications (III) Applicat				3-2	ACC	OMPANYING	APPLICATION PART	rs			
- Detailed Description - Claim(s) - Abstract of the Disclosure 3. [X] Drawing(s) (35 U.S.C. 113) Total Sheets [31] [X] Fig. of the Drawings for Publication [1] [No Figure to be Published 4. [] Oath or Declaration Total Pages [] a. [] Newly executed (original or copy) (for continuation/divisional with Box 17 completed) i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hearthy incorporated by reference (Add Standard Related Applicatioss Section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS 530 Virginia Road, P.O. Box 9133	- Brief Summary of the Invention										
- Claim(s) - Abstract of the Disclosure 3. [X] Drawing(s) (35 U.S.C. 113) Total Sheets [31] [X] Fig. of the Drawings for Publication [1] [No Figure to be Published 4. [] Oath or Declaration Total Pages [] a. [] Newly executed (original or copy) b. [] Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with Box 17 completed) i. [] DeleTION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement [IDS/PTO-1449] 9. [] English Translation Document (if applicable) 10. [] Information Disclosure [] Copies of IDS Citations Statement [IDS/PTO-1449] 11. [] Preliminary Amendment 12. [X] Return Receipt Postcard 13. [] Small Entity Statement(s) 14a. [] Foreign Priority Claim under 35 U.S.C. §119 or 365 14b. [] Certified Copy of Priority Document(s) 15. [] Nonpublication Request (check parent application) 16. [X] Other Remarks 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add stan			(if filea)								
3. [X] Drawing(s) (35 U.S.C. 113) Total Sheets [31] [X] Fig. of the Drawings for Publication [X] Fig. of the Drawings for Publication [No Figure to be Published 4. [] Oath or Declaration Total Pages [] a. [] Newly executed (original or copy) b. [] Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with Box 17 completed) i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications Section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME A. [] Power of Attorney [] 37 C.F.R. 3.73(b) Statement (If applicable) 10. [] Information Disclosure [] Copies of IDS Citations Statement (IDS)/PTO-1449 11. [] Preliminary Amendment 12. [X] Return Receipt Postcard 13. [] Small Entity Statement(s) 14a. [] Foreign Priority Claim under 35 U.S.C. §119 or 365 14b. [] Certified Copy of Priority Document(s) 15. [] Nonpublication Request (check parent application) 16. [X] Other Remarks 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Appl					Mansfield, MA 02048						
[X] Fig. of the Drawings for Publication [1] [] No Figure to be Published 4. [] Oath or Declaration Total Pages [] a. [] Newly executed (original or copy) b. [] Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with flox 17 completed) i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C.	- Abstrac	et of the Disclosure									
4. [] Oath or Declaration Total Pages [] a. [] Newly executed (original or copy) b. [] Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with Box 17 completed) i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133] Power o	f Attorney	[] 37 C.F.R. 3.73	(b) Statement			
a. [] Newly executed (original or copy) b. [] Copy from a prior application (37 C.F.R. 1.63(d)) for continuation/divisional with Box 17 completed) i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133				9. [9. [] English Translation Document (if applicable)						
b. [] Copy from a prior application (37 C.F.R. 1.63(d)) (for continuation/divisional with Box 17 completed) i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133	4. [] Oath or De	eclaration Total	Pages []	10. [] Informat Statemen	ion Disclosure nt (IDS)/PTO-14		IDS Citations			
i. [] DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133	a. [] N	lewly executed (original or	copy)	11. [] Prelimin	ary Amendment	İ				
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133	b. [] C	Copy from a prior application of continuation/divisional with the continuation of the	on (37 C.F.R. 1.63(d)) th Box 17 completed	<i>y</i> 12. [2	_	-					
inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 16. [X] Other Remarks 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133	i.										
application, see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. [] CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 16. [X] Other Remarks 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133				_							
17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133											
Program (Appendix) 17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133		` '		· ·		•	: (check parent applicati	ion)			
17. If a CONTINUING APPLICATION, check appropriate box; supply the requisite information. [X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133			e table or Comput	er 16. [X	Other	Remarks					
[X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133	r rogram (2	трреницу									
[X] Continuation [] Divisional [] Continuation-in-part (CIP) of prior application No.: 10/225,485 Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133	17. If a CONTI	NUING APPLICATION,	check appropriate	box; suppl	y the requis	ite information.		•			
Prior application information: Examiner: Malik N. Drake Group Art Unit: 3744 The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133	40000										
The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference. (Add standard Related Applications section with incorporation by reference to specification or update same) 18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133											
18. CORRESPONDENCE ADDRESS NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133	The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is										
NAME Customer No. 021005 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133	(Add standard Related Applications section with incorporation by reference to specification or update same)										
HAMILTON, BROOK, SMITH & REYNOLDS, P.C. ADDRESS 530 Virginia Road, P.O. Box 9133				SPONDEN	CE ADDR	ESS					
ADDRESS 530 Virginia Road, P.O. Box 9133	NAME										
				INULUS, I	U.						
CITY I Concord STATE I MA I ZIP CODE I 01/42-9133	CITY	Concord	STATE	MA	••	ZIP CODE	01742-9133				

CITY	Concord	STATE	MA	ZIP CODE	01742-9133	
COUNTRY	USA	TELEPHONE	(978) 341-0036	FAX	(978) 341-0136	
				<i></i>		
Signature		352	h	Date	12/3//3	
Submitted Typed or Printer		James M. Sm	ith	Reg. Number	28,043	

Submitted by Typed or Printed Name

@PFDesktopt::ODMA/MHODMA/HBSR05;j/Mangee;442207;1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Peter W. Gaudet, Donald A. Olsen and Michael J. Eacobacci

Continuation Application of

Application No.:

10/225,485

Filed:

August 20, 2002

For:

Cryopump Temperature Control of Arrays

EXPRESS MAIL LABEL NO. EV 214951063US

REMARKS

Mail Stop PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The above-captioned application is a continuation of application number 10/225,485 filed on August 20, 2002 to which priority is claimed under 35 U.S.C. §120.

The specification of the present application is substantially the same as that of the parent application. The related applications paragraph has been revised to include a specific reference to the parent application. No new matter has been added.

All of the claims from the parent application have been omitted. A new claim set is being presented herein for examination.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

James M. Smith

Registration No. 28,043 Telephone: (978) 341-0036 Facsimile: (978) 341-0136

Concord, MA 01742-9133

Dated: